



Courtesy of MCTS

Project name: Milwaukee Hybrid Vehicle Project

Transit agency: Milwaukee County Transit System

Location: Milwaukee, Wisconsin

TIGGER goal: GHG emissions reduction

FTA region number: V

Award amount: \$210,000

Congressional district: WI-1, WI-4, and WI-5

Funding mechanism:
Recovery Act (ARRA)

Hybrid Vehicles Help Clear the Air in Milwaukee

The Milwaukee County Transit System (MCTS) is reducing greenhouse gas emissions and saving energy by reducing the annual gasoline consumption for its route supervision service.

MCTS operates a fleet of 10 minivans that supervisors use to support the drivers and riders of transit bus routes throughout Milwaukee County. These minivans, which accumulate about 20,000 miles a year, are nearing the end of their service life. Thanks to \$210,000 from the TIGGER Program, the transit agency is replacing seven older vans with new hybrid electric vehicles manufactured by Ford.

The new Ford Escape vehicles will directly reduce MCTS's fuel use and greenhouse gas emissions because the expected on-route fuel efficiency is more than double that of the current vehicles. The older minivans average 12 miles per gallon while the new Ford Escape hybrid vehicles will average 29 miles per gallon according to Environmental Protection Agency ratings



The Milwaukee County Transit System (MCTS)

provides transit services in Milwaukee County and parts of Ozaukee and Waukesha counties. The transit agency operates a fleet of 483 diesel buses and offers 58 regular fixed-route bus lines as well as door-to-door paratransit service. Approximately 90% of Milwaukee County's 1 million residents are served by the fixed-route buses.



One of seven Ford hybrid electric vehicles in use at the Milwaukee County Transit System.

for city driving. Much of this fuel savings is due to the hybrid vehicle's ability to idle without burning gasoline—on-road vehicles spend about 50% of the time idling.

The seven hybrid vehicles will consume nearly 60% less fuel than the older minivans, reducing fuel use from almost 12,000 gallons to about 4,830 gallons a year. Based on these fuel savings, the hybrid vehicles will decrease carbon dioxide emissions from 102.8 metric tons to 42.5 metric tons a year. All told, the hybrid vehicles will slash carbon dioxide emissions by a whopping 485 metric tons during their expected eight-year lifetime.

Impact:

The hybrid vehicles will reduce carbon dioxide emissions by 485 metric tons during their expected eight-year lifetime.

About TIGGER

The Transit Investment for Greenhouse Gas and Energy Reduction (TIGGER) Program was established in 2009 by the U.S. Department of Transportation's Federal Transit Administration (FTA). Designed to reduce energy use and greenhouse gas emissions in transit agencies around the country, the TIGGER Program made funds available for capital investments that would reduce greenhouse gas emissions or lower the energy use of public transportation systems. An initial \$100 million in American Recovery and Reinvestment Act grants funded 43 competitively-selected transit projects. In 2010, the FTA provided an additional \$75 million in grants to fund 27 new TIGGER projects. These 70 projects are employing a variety of technologies to meet the program goals, including solar installations, building efficiency improvements, wind technology, wayside energy storage for rail, and purchase of more efficient buses. In fiscal year 2011, FTA provided an additional \$49.9 million to continue the program.

For More Information

Milwaukee County
Transit System:
www.ridemcts.com

FTA TIGGER:
www.fta.dot.gov/TIGGER



U.S. Department of Transportation
Federal Transit Administration
1-866-377-8642

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